



Kadi Sarva Vishwavidyalaya
Faculty of Engineering & Technology
First Year Bachelor of Engineering (ME / AU)
(With effect from: Academic Year 2017-18)

WORKSHOP
B.E. (ME/AE)

SUBJECT CODE : CC 105-N
Teaching Scheme (Credits and Hours)

Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
L	T	P	Total		Theory		Midsem	CIA	Pract.	
Hrs	Hrs	Hrs	Hrs		Hrs	Marks	Marks	Marks	Marks	
0	0	2	2	1	0	0	0	40	60	100

COURSE OBJECTIVE:

- Exposure to Industrial environment, work culture, hand tools and general purpose machine.
- Developing Creativity, Craft man skill, approach to work and planning capability.

DETAILED SYLLABUS

Unit No	Topics	Lectures (Hours)
1.	Demonstration of Hand tools, Power tools, Machine tools, Processes, Materials, Marking, and Measurement in following shops: Carpentry, Pattern making, Foundry, Fitting, Smithy, Welding,, Tin smithy, Plumbing, Machine shop and Electroplating.	5
2.	Making Jobs in Fitting shops	5
3.	Making Jobs in Carpentry shops.	5
4.	Making Jobs in Smithy shops.	5
5.	Making Jobs in Tin smithy shops.	3
6.	Making Jobs in Welding shops.	2
7.	Covering the topics of demonstration and Report about Process /Methodology / Inspection for making jobs.	5

Total Hours (Theory):00

Total Hours (Lab):30

Total Hours: 30



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INSTRUCTIONAL METHOD AND PEDAGOGY (Continuous Internal Assessment (CIA) Scheme)

- At the start of course, the course delivery pattern, prerequisite of the subject will be discussed
- Attendance is compulsory in Practical which carries 10 Marks.
- At regular intervals assignments is given. In all, a student should submit all assignments of 10 marks each.
- Laboratory participation and involvement in solving the problems in Laboratory carries 10 Marks.
- Viva Voce will be conducted at the end of the semester of 10 Marks.
- Experiments shall be performed in the laboratory related to course contents.
- The course includes a laboratory, where students have an opportunity to build an appreciation for the concept being taught in lectures.

STUDENTS LEARNING OUTCOMES:

At the end of the course

- The students will be able to understand the different manufacturing technique for production out of the given raw material.
- The students of all branches of engineering may come across problems related to the manufacturing during their career and their day to day life too, so this course will provide such information.

TEXT BOOKS & REFERENCE BOOKS:

- Choudhary, Hajara “ Elements of Workshop Technology”, Media Promoters & Publishers, 1997
- Raghuvanshi B.S. “Workshop Technology” Vol. I & II, Dhanpat Rai & Sons. 1998
- Chapman W.A. J and Arnold E. “Workshop Technology”. Student edition, 1998

WEB MATERIALS:

<http://www.wikipedia.org>